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## AMENDMENTS TO THE CLAIMS

- 1. 12. (Cancelled)
- 13. (Withdrawn) A cell, which has a Golgi apparatus wherein fucose is decreased.
- 14. (Withdrawn) A cell, which exhibits decreased fucose transport ability or lacks such ability.
- 15. (Withdrawn) A cell, which exhibits decreased activity of incorporating fucose into a Golgi apparatus, or which lacks such activity.
- 16. (Withdrawn) The cell according to any one of claims 13 to 15, which is treated with a compound that binds to a fucose transporter or a compound that inhibits fucose transport activity.
  - 17-18. (Cancelled).
- 19. (Currently Amended) An isolated Chinese hamster cell, wherein one or more exons of the genomic Chinese hamster fucose transporter gene having the sequence of SEQ ID NO: 1 [[is]] are disrupted.
  - 20-21. (Cancelled)
- (Previously Presented) The isolated Chinese hamster cell according to claim 19, wherein the Chinese hamster cell is a Chinese hamster ovary (CHO) cell.
- 23. (Currently Amended) The isolated CHO cell according to claim 22, wherein one or more of the genomic Chinese hamster fucose transporter gene [[is]] are disrupted by homologous recombination using a gene targeting vector against the sequence in the genomic Chinese hamster fucose transporter gene having the sequence of SEQ ID NO: 1.

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24. (Withdrawn) A targeting vector, which targets a gene encoding a fucose transporter.

25. (Withdrawn) The targeting vector according to claim 24, wherein the fucose transporter is a Chinese hamster fucose transporter.

26. (Withdrawn) A method for producing a recombinant protein, wherein fucose existing in the Golgi apparatus of a host cell is decreased.

- 27. (Withdrawn) A method for producing a recombinant protein, wherein the incorporation of fucose into the Golgi apparatus in a host cell is inhibited.
- 28. (Withdrawn) A method for producing a recombinant protein, wherein the incorporation of fucose mediated by a fucose transporter in a host cell is inhibited.
- (Withdrawn) A method for producing a recombinant protein, wherein fucose transporter functions of a host cell are inhibited.
- 30. (Withdrawn) The method for producing a recombinant protein according to any one of claims 26 to 29, wherein the fucose transporter functions are inhibited by artificially suppressing the expression of the fucose transporter in a host cell.
- 31. (Withdrawn) The method for producing a protein according to claim 30, wherein the expression of the fucose transporter is suppressed using RNAi.
- 32. (Withdrawn) The method for producing a recombinant protein according to any one of claims 26 to 30, wherein the fucose transporter functions are inhibited by deleting a gene encoding the fucose transporter in a host cell.
- 33. (Withdrawn) The production method according to any one of claims 26 to 32, wherein the protein is an antibody.

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34. (Withdrawn) The production method according to any one of claims 26 to 33, wherein a protein not having fucose added thereto is produced.

- 35. (Withdrawn) The production method according to any one of claims 26 to 34, wherein the host cell is a CHO cell.
- 36. (Withdrawn) A method for inhibiting the addition of fucose to a protein, wherein fucose existing in the Golgi apparatus in a host cell is decreased when a recombinant protein is produced using the host cell.
- 37. (Withdrawn) A method for inhibiting the addition of fucose to a protein, wherein fucose transporter functions in a host cell are inhibited when a recombinant protein is produced using the host cell.
- 38. (Withdrawn) The method for inhibiting the addition of fucose to a protein according to claim 36 or 37, wherein the expression of a fucose transporter is artificially suppressed when a recombinant protein is produced using a host cell.
- 39. (Withdrawn) The method for inhibiting the addition of fucose to a protein according to claim 38, wherein the expression of a fucose transporter is suppressed using RNAi.
- 40. (Withdrawn) The method for inhibiting the addition of fucose to a protein according to any one of claims 36 to 38, wherein a gene encoding a fucose transporter is deleted when a recombinant protein is produced using a host cell.
- 41. (Withdrawn) A method for inhibiting the addition of fucose to a protein, wherein the incorporation of fucose mediated by a fucose transporter is inhibited when a recombinant protein is produced using a host cell.
- 42. (Withdrawn) The method for inhibiting the addition of fucose to a protein according to any one of claims 36 to 41, wherein the protein is an antibody.

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43. (Withdrawn) The method for inhibiting the addition of fucose to a protein according to any one of claims 36 to 42, wherein the host cell is a CHO cell.

- 44. (Withdrawn) A method for increasing the cytotoxic activity of an antibody, wherein an antibody is produced with a cell in which fucose existing in the Golgi apparatus is decreased.
- 45. (Withdrawn) A method for increasing the cytotoxic activity of an antibody, wherein an antibody is produced with a host cell having inhibited fucose transporter functions.
- 46. (Withdrawn) A method for increasing the cytotoxic activity of an antibody, wherein an antibody is produced with a cell in which the expression of a fucose transporter is artificially suppressed.
- 47. (Withdrawn) A method for increasing the cytotoxic activity of an antibody, wherein an antibody is produced with a cell that lacks a gene encoding a fucose transporter.
- 48. (Withdrawn) A method for increasing the cytotoxic activity of an antibody, wherein an antibody is produced by inhibiting the incorporation of fucose into the Golgi apparatus.
- 49. (Withdrawn) The method for increasing the cytotoxic activity of an antibody according to any one of claims 44 to 48, wherein the host cell is a CHO cell.
- 50. (New) The isolated Chinese hamster cell according to claim 19 or 22, wherein exon 1 is disrupted.
- 51. (New) The isolated Chinese hamster cell according to claim 23, wherein exon 1 is disrupted.
- 52. (New) The isolated Chinese hamster cell according to claim 23, wherein the Chinese hamster fucose transporter gene is disrupted by a positive selection marker.

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53. (New) The isolated Chinese hamster cell according to claim 52, wherein the positive selection marker is a drug resistance gene.

- 54. (New) The isolated Chinese hamster cell according to claim 52, wherein the positive selection marker is a hygromycin resistance gene or a neomycin resistance gene.
- 55. (New) The isolated Chinese hamster cell according to claim 52, wherein the positive selection marker disrupts an exon.
- (New) The isolated Chinese hamster cell according to claim 23, wherein the gene targeting vector comprises,
  - a positive selection marker,
- a first nucleotide sequence homologous to at least part of SEQ ID NO:1 that is located 5' of the positive selection marker,
- a second nucleotide sequence homologous to at least part of SEQ ID NO:1 that is located 3' of the positive selection marker,
- a first restriction enzyme site for linearizing the vector located outside the positive selection marker, the first nucleotide sequence and the second nucleotide sequence, and a second restriction enzyme site for detecting homologous recombination.
- 57. (New) The isolated Chinese hamster cell according to claim 56, wherein at least one of the first nucleotide sequence and the second nucleotide sequence is homologous to at least a part of an intron.